

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/535,433A
Source: IFWP
Date Processed by STIC: 8/2/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/535,433A

TIME: 08:43:29

Input Set : A:\2006-01-30 1009-0118PUS1.ST25.txt

Output Set: N:\CRF4\08022006\J535433A.raw

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3 <110> APPLICANT: FRIGERIO, Lorenzo et al.
5 <120> TITLE OF INVENTION: ANTIBODIES
7 <130> FILE REFERENCE: 1009-0118PUS1
9 <140> CURRENT APPLICATION NUMBER: US 10/535,433A
10 <141> CURRENT FILING DATE: 2005-05-18
12 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/004983
13 <151> PRIOR FILING DATE: 2002-11-18
15 <150> PRIOR APPLICATION NUMBER: GB0226878.7
16 <151> PRIOR FILING DATE: 2002-11-18
18 <160> NUMBER OF SEQ ID NOS: 72
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 6
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (1)..(1)
33 <223> OTHER INFORMATION: Asn, His or Leu
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (2)..(2)
38 <223> OTHER INFORMATION: Val or Tyr
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <222> LOCATION: (3)..(3)
43 <223> OTHER INFORMATION: Ser or Asn
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: (6)..(6)
48 <223> OTHER INFORMATION: An aliphatic amino acid, especially Val or Leu
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W--> 52 Xaa Xaa Xaa Val Ser Xaa
53 1 5
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
64 <400> SEQUENCE: 2

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66 Asn Val Ser Val Ser Val
67 1 5
70 <210> SEQ ID NO: 3
W--> 71 <400> SEQUENCE: 3
W--> 72 000
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 6
77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial sequence
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81 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
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85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (1)..(1)
87 <223> OTHER INFORMATION: Asn, His or Leu
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (2)..(2)
92 <223> OTHER INFORMATION: Val or Tyr
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (3)..(3)
97 <223> OTHER INFORMATION: Ser or Asn
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (6)..(6)
102 <223> OTHER INFORMATION: Any aliphatic amino acid
104 <400> SEQUENCE: 4
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106 1 5
109 <210> SEQ ID NO: 5
110 <211> LENGTH: 18
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (3)..(3)
121 <223> OTHER INFORMATION: Asn, His or Leu. Preferably Asn
123 <220> FEATURE:
124 <221> NAME/KEY: misc_feature
125 <222> LOCATION: (4)..(4)
126 <223> OTHER INFORMATION: Val or Tyr, preferably Val
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (5)..(5)
131 <223> OTHER INFORMATION: Ser or Asn
133 <220> FEATURE:

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134 <221> NAME/KEY: misc_feature
135 <222> LOCATION: (8)..(8)
136 <223> OTHER INFORMATION: An aliphatic amino acid, preferably Val or Leu
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (9)..(9)
141 <223> OTHER INFORMATION: An aliphatic amino acid, preferably Ile, Val or Leu
143 <220> FEATURE:
144 <221> NAME/KEY: misc_feature
145 <222> LOCATION: (10)..(10)
146 <223> OTHER INFORMATION: Met, Val or Leu, preferably Met
148 <220> FEATURE:
149 <221> NAME/KEY: misc_feature
150 <222> LOCATION: (11)..(11)
151 <223> OTHER INFORMATION: Ser or Ala
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (12)..(12)
156 <223> OTHER INFORMATION: Asp or Glu
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <222> LOCATION: (13)..(13)
161 <223> OTHER INFORMATION: Any amino acid, preferably Gly, Val, Ala or Thr
163 <220> FEATURE:
164 <221> NAME/KEY: misc_feature
165 <222> LOCATION: (14)..(14)
166 <223> OTHER INFORMATION: Asp, Glu, Gly, or Ala, preferably Asp
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (15)..(15)
171 <223> OTHER INFORMATION: Gly or Ser, preferably Gly
173 <220> FEATURE:
174 <221> NAME/KEY: misc_feature
175 <222> LOCATION: (16)..(16)
176 <223> OTHER INFORMATION: Ile, Thr, Val, Glx or Ala, preferably Ile or Thr
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (18)..(18)
181 <223> OTHER INFORMATION: May be present or absent. When present, it is Ala or Tyr.
Most
182     preferably Ala.
184 <400> SEQUENCE: 5
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187 1           5           10           15
190 Cys Xaa
194 <210> SEQ ID NO: 6
195 <211> LENGTH: 6
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial sequence
199 <220> FEATURE:

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200 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
 203 <220> FEATURE:
 204 <221> NAME/KEY: misc_feature
 205 <222> LOCATION: (1)..(1)
 206 <223> OTHER INFORMATION: Asn, His or Leu
 208 <220> FEATURE:
 209 <221> NAME/KEY: misc_feature
 210 <222> LOCATION: (2)..(2)
 211 <223> OTHER INFORMATION: Val or Tyr
 213 <220> FEATURE:
 214 <221> NAME/KEY: misc_feature
 215 <222> LOCATION: (3)..(3)
 216 <223> OTHER INFORMATION: Ser or Asn
 218 <220> FEATURE:
 219 <221> NAME/KEY: misc_feature
 220 <222> LOCATION: (6)..(6)
 221 <223> OTHER INFORMATION: Aliphatic amino acid
 223 <400> SEQUENCE: 6
 W--> 225 Xaa Xaa Xaa Val Ser Xaa
 226 1 5
 229 <210> SEQ ID NO: 7
 230 <211> LENGTH: 28
 231 <212> TYPE: PRT
 232 <213> ORGANISM: Artificial sequence
 234 <220> FEATURE:
 235 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
 237 <400> SEQUENCE: 7
 239 Ser Cys Met Val Gly His Glu Ala Leu Pro Met Asn Phe Thr Gln Lys
 240 1 5 10 15
 243 Thr Ile Asp Arg Leu Ser Gly Lys Pro Ala Cys Tyr
 244 20 25
 247 <210> SEQ ID NO: 8
 248 <211> LENGTH: 30
 249 <212> TYPE: PRT
 250 <213> ORGANISM: Artificial sequence
 252 <220> FEATURE:
 253 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
 255 <400> SEQUENCE: 8
 257 Ser Cys Met Val Gly His Glu Ala Leu Pro Met Asn Phe Thr Gln Lys
 258 1 5 10 15
 261 Thr Ile Asp Arg Leu Ser Gly Lys Pro Ala Ala Ala Cys Tyr
 262 20 25 30
 265 <210> SEQ ID NO: 9
 266 <211> LENGTH: 38
 267 <212> TYPE: PRT
 268 <213> ORGANISM: Artificial sequence
 270 <220> FEATURE:
 271 <223> OTHER INFORMATION: Modified targeting signal in the final antibody heavy chain
 273 <400> SEQUENCE: 9

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275 Ser Cys Met Val Gly His Glu Ala Leu Pro Met Asn Phe Thr Gln Lys
276 1          5          10          15
279 Thr Ile Asp Arg Leu Ser Gly Lys Pro His Ala Ser Thr Pro Glu Pro
280          20          25          30
283 Asp Pro Val Ala Cys Tyr
284          35
287 <210> SEQ ID NO: 10
288 <211> LENGTH: 27
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Synthetic oligonucleotide
295 <400> SEQUENCE: 10
296 ccatcgatgg aatggacctg ggtttttt                27
299 <210> SEQ ID NO: 11
300 <211> LENGTH: 27
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic oligonucleotide
307 <400> SEQUENCE: 11
308 ccctctagac tagtagcata ggccatc                27
311 <210> SEQ ID NO: 12
312 <211> LENGTH: 31
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthetic oligonucleotide
319 <400> SEQUENCE: 12
320 actgtagaca attccgccac ctcagcctac a                31
323 <210> SEQ ID NO: 13
324 <211> LENGTH: 31
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Synthetic oligonucleotide
331 <400> SEQUENCE: 13
332 tgtaggctga ggtggcggaa ttgtctacag t                31
335 <210> SEQ ID NO: 14
336 <211> LENGTH: 32
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: Synthetic oligonucleotide
343 <400> SEQUENCE: 14
344 gagcagctca acagcgtttt ccgctcagtc ag                32
347 <210> SEQ ID NO: 15
348 <211> LENGTH: 32
349 <212> TYPE: DNA

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 2, 3, 6
Seq#:4; Xaa Pos. 1, 2, 3, 6
Seq#:5; Xaa Pos. 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18
Seq#:6; Xaa Pos. 1, 2, 3, 6

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Input Set : A:\2006-01-30 1009-0118PUS1.ST25.txt

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L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:71 M:283 W: Missing Blank Line separator, <400> field identifier
L:72 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (3) SEQUENCE:
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
M:341 Repeated in SeqNo=5
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0